

KRCRA
BOUNDARY

KNOWN RECOVERABLE COAL RESOURCE AREA—Area in which the Federal coal land is classified, (1) as subject to the coal leasing provisions of the Mineral Leasing Act of 1920, as amended and, (2) by virtue of the available data being sufficient to permit evaluation as to extent, location, and potential for developing commercial quantities of coal.

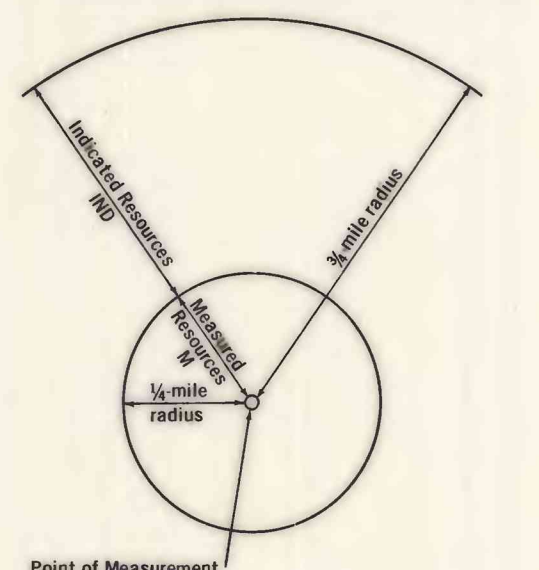
NON-FEDERAL COAL LAND—Land for which the Federal Government does not own the coal rights.

STRIPPING LIMIT LINE—Boundary for surface mining of the coal bed. Limit is 200 feet of overburden. Arrows point toward the area suitable for strip mining. Recovery factor of 85 percent within that area in this quadrangle.

BOUNDARY OF RESERVE BASE COAL—Segments comprising the boundary line include: (1) the outcrop of coal bed or contact between burned and unburned coal where the coal is 5 feet (1.5 m) or more thick, (2) the 5-foot (1.5 m) coal isopach, (3) an arc 3 miles from the nearest coal measurement point, (4) insufficient data lines, (5) the coal isopach farthest down-dip from the outcrop trace, (6) boundaries of leased Federal coal and non-Federal coal land, and (7) KRCRA boundaries. Arrows point toward areas of Reserve Base coal.

LOCATION OF SUBSURFACE COAL MEASUREMENT
thickness of coal, in feet
14.3/1.7

LOCATION OF SURFACE COAL MEASUREMENT
ratio of coal thickness to interburden



BOUNDARY LINES—Enclosing areas of measured, indicated, and inferred coal resources of the coal bed.

RB	R(85%)	
.11	.09	(Meas. resources)
.61	.52	(Ind. resources)
—	—	(Inf. resources)

IDENTIFIED COAL RESOURCES OF THE JOHNSON BED—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land within the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (85 percent) = Reserves (R).

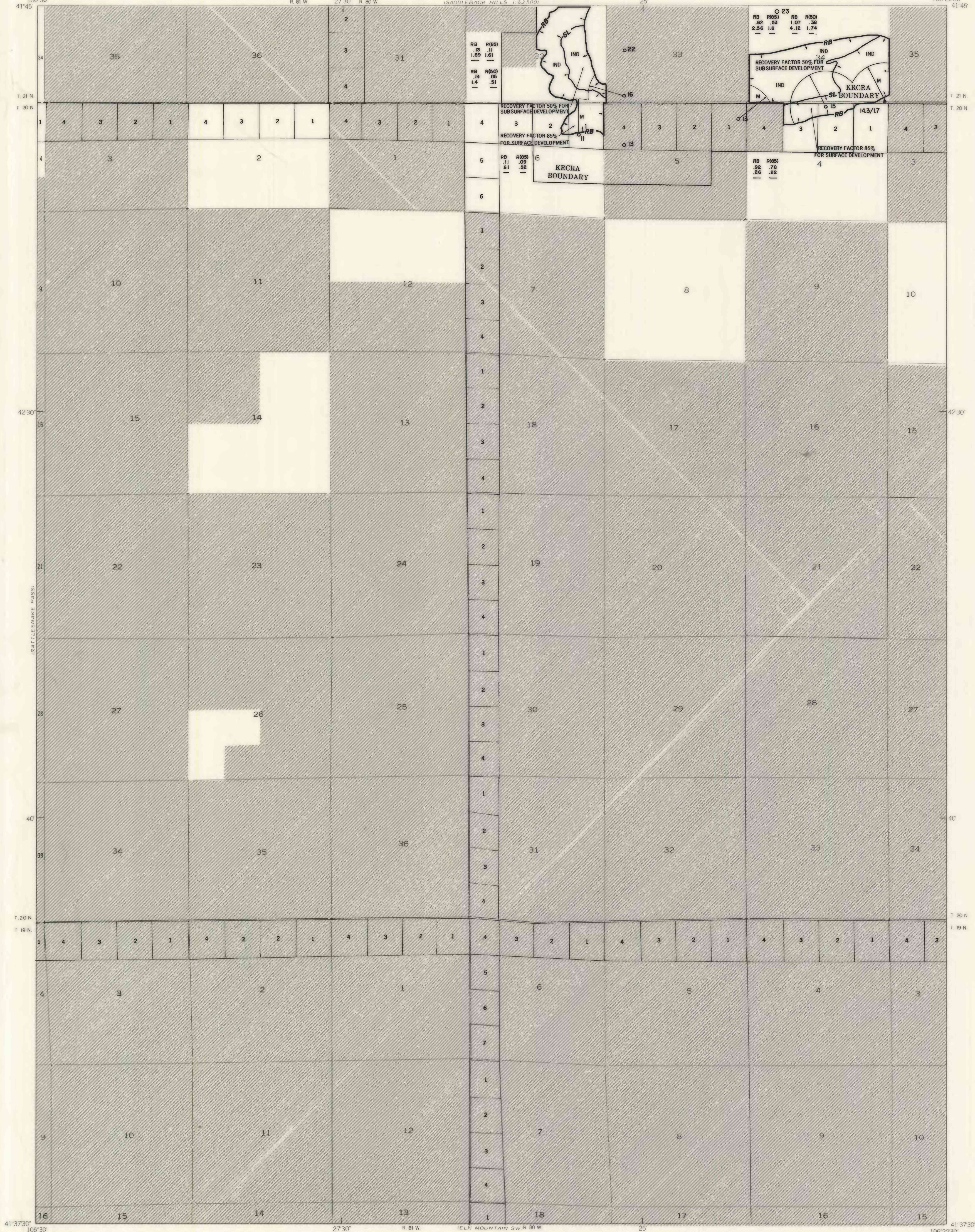
RB	R(50%)	
.14	.05	(Meas. resources)
1.4	.51	(Ind. resources)
—	—	(Inf. resources)

IDENTIFIED COAL RESOURCES OF THE JOHNSON BED—Showing totals for Reserve Base (RB) and Reserves (R), in millions of short tons, for each section or part(s) of section of Federal coal land outside the stripping-limit line. Dash indicates no resources in that category. Reserve Base (RB) X the Recovery Factor (50 percent) = Reserves (R).

To convert short tons to metric tonnes multiply short tons by 0.9072.

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

ELK MOUNTAIN QUADRANGLE
WYOMING-CARBON CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Base map from U.S. Geological Survey, 1955

Compiled in 1977 by TEXAS INSTRUMENTS INCORPORATED

COAL RESOURCE OCCURRENCE MAP OF THE ELK MOUNTAIN QUADRANGLE, CARBON COUNTY, WYOMING

BY
TEXAS INSTRUMENTS INCORPORATED
1978

PLATE 7
AREAL DISTRIBUTION
AND IDENTIFIED RESOURCES
OF THE JOHNSON COAL BED